

Applicant: Axel ENDRISS
Docket No. R.305543
Preliminary Amdt.

NEW ABSTRACT:

Please replace the original abstract with the following new abstract:

Abstract of the Disclosure

A piezoelectric actuator is provided with a multilayer construction of piezoelectric layers perpendicular to the action direction, with inner electrodes located between the piezoelectric layers, which can be subjected to an electrical voltage via outer electrodes. At further piezoelectric layers with inner electrodes, an electrical sensor signal that is proportional to the actuation of the piezoelectric actuator can be picked up via further outer electrodes. The piezoelectric layers for the actuator part and the piezoelectric layers for the at least one sensor part are integrated in one component as a piezoelectric actuator, in such a way that individual piezoelectric layers for the sensor part are located at predetermined spacings or also side by side between the piezoelectric layers for the actuator part.